IN THE SPECIFICATION

Please rewrite the paragraph on page 5, lines 6-19, as follows:

Assuming that the outputs from the local oscillator 402 and the second frequency divider 350 are expressed by $V_H \sin\omega_{osc}t$ and $V_L \sin\omega_{osc}t/4$, respectively, the output $LO(t)$ of the frequency mixer 320 is expressed as follows:

$$LO(t)= V_H\sin\omega_{osc}t \times V_L\sin(\omega_{osc}t/4)$$

$$= -(1/2) \bullet V_L V_H\cos(\omega_{osc}+\omega_{osc}/4)t$$

$$+ (1/2) \bullet V_L V_H\cos(\omega_{osc}-\omega_{osc}/4)t$$

$$= -(1/2) \bullet V_L V_H\cos(5\omega_{osc}t/4)$$

$$+ (1/2) \bullet V_L V_H\cos(3\omega_{osc}t/4),$$

wherein the gain of the double-balanced mixer is assumed at "1" for ~~prupose~~ purpose of simplification.

That is, a pair of angular frequency components $5\omega_{osc}/4$ and ~~$\omega_{osc}/4$~~ $3\omega_{osc}/4$ are generated therein.

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